

CLAIMS

1. A textured yarn(ATY) with different shrinkage and excellent suede effect, wherein at least one or two kinds of two-component composite yarn(effect yarn) having a monofilament fineness of 0.001 to 0.3 denier after dividing or extracting an extraction component are twined around a thermoplastic multifilament yarn(core yarn), 2 to 350 loops per meter of the two-component composite yarn of at least 1.0mm in length are formed on the surface of the textured yarn, and more than 95% of the two-component composite yarn loops of at least 1.0mm in length has a length of 1.0 to 2.5mm.

2. The textured yarn of claim 1, wherein the shrinkage rate at boiling water of the two-component composite yarn(effect yarn) is 0 to 15%.

3. The textured yarn of claim 1, wherein the shrinkage rate at boiling water of the thermoplastic multifilament yarn(core yarn) is 5 to 50%.

4. The textured yarn of claim 1, wherein 2 to 50 loops per meter of the two-component composite yarn of at least 1.0mm in length are formed on the surface of the textured yarn.

5. The textured yarn of claim 1, wherein the monofilament fineness of the thermoplastic multifilament yarn(core yarn) 1 to 8 denier.

6. The textured yarn of claim 1, wherein the two-component composite yarn(effect yarn) consists of at least two kinds of fiber forming components with different dyeing properties.

5 7. The textured yarn of claim 1 or 6, wherein the two-component composite yarn(effect yarn) consists of a fiber forming component of polyester and a fiber forming component of polyamide.

10 8. The textured yarn of claim 1, wherein the two-component composite yarn(effect yarn) consists of a fiber forming component and an extraction component.

15 9. The textured yarn of claim 1 or 8, wherein the fiber forming component and extraction component in the two-component composite yarn(effect yarn) are conjugated into a sea-island type or division type.

20 10. The textured yarn of claim 1, wherein the effect yarn comprises at least two kinds of two-component composite yarns, each consisting of a fiber forming component and an extraction component, the fiber forming component having different dyeing properties from each other.

11. The textured yarn of claim 1 or 10, wherein the effect yarn comprises: (i) a two-component composite yarn consisting of a polyester fiber forming component and an extraction component; and (ii) a two-

component composite yarn consisting of a polyamide fiber forming component and an extraction component.

12. The textured yarn of claim 1, wherein the strength of the  
5 textured yarn(ATY) with different shrinkage is 1.5 to 3.5g/denier.

13. The textured yarn of claim 1, wherein the evenness(U%) of  
the textured yarn(ATY) with different shrinkage is 0.5 to 1.0.

10 14. The textured yarn of claim 1, wherein the strength of the  
textured yarn(ATY) with different shrinkage after dividing or extracting the  
extraction component is increased by 5 to 30% with respect to the strength  
prior to dividing or extracting then extraction component.

15 15. The textured yarn of claim 1, wherein the number of loops on  
the surface of the textured yarn(ATY) with different shrinkage is increased 8  
to 170 times with respect to the number prior to dividing or extracting then  
extraction component.

20 16. A method for preparing a textured yarn(ATY) with different  
shrinkage and excellent suede effect by air-texturing an effect yarn and core  
yarn, wherein at least one or two kinds of two-component composite  
yarn(A) is fed as the effect yarn into an air texturing nozzle(3) at an over  
feed rate of 10 to 60% through the first feed roller(1), the two-component

composite yarn(A) consisting of a fiber forming component and an extraction component or consisting of at least two kinds of fiber forming components and having a monofilament fineness of 0.001 to 0.3 denier after dividing or extracting the extraction component, at the same time, a  
5 thermoplastic multifilament yarn(B) is fed as the core yarn into the air texturing nozzle(3) at an overfed rate of 5 to 55% through the second feed roller(2) while supplying water to a water supply device(4) disposed between the second feed roller(2) and the air texturing nozzle(3), and then the effect and core yarns are air-textured by an air pressure of 6 to 16kgf/cm<sup>2</sup>  
10 <sup>2</sup> in the air texturing nozzle(3), heat-treated at a temperature of 130 to 210°C in a hollow heater(6) in a state that the overfeed rate is 0 to -8% and wound in a state that the overfeed rate is -2 to -12%.

17. The method of claim 16, wherein the elongation of the core  
15 yarn is 25 to 45%.

18. The method of claim 16, wherein the elongation of the effect yarn is 23 to 45%.

20 19. The method of claim 16, wherein the two-component composite yarn(effect yarn) consists of at least two kinds of fiber forming components having different dyeing properties from each other.

20. The method of claim 16 or 19, wherein the two-component

composite yarn(effect yarn) consists of a polyester fiber forming component and a polyamide fiber forming component.

21. The method of claim 16, wherein the two-component  
5 composite yarn(effect yarn) consists of a fiber forming component and an extraction component.

22. The method of claim 16, wherein the effect yarn includes at  
least two kinds of two-component composite yarns, each consisting of a  
10 fiber forming component and an extraction component, the fiber forming component having different dyeing properties from each other.

23. The method of claim 16 or 22, wherein the effect yarn  
comprises: (i) at least one two-component composite yarn consisting of a  
15 polyester fiber forming component and an extraction component; and (ii)  
at least one two-component composite yarn consisting of a polyamide fiber  
forming component and an extraction component.

24. The method of claim 16, wherein the rotary linear velocity of  
20 the first feed roller(1) and second feed roller(2) is 200 to 600m/min.

25. The method of claim 16, wherein the water supplied to the  
core yarn by the water supply device(4) is deionized.

26. A woven fabric woven from the textured yarn with different shrinkage of claim 1.

27. A circular knit fabric knitted from the textured yarn with  
5 different shrinkage of claim 1.

28. A warp knit fabric knitted from the textured yarn with different shrinkage of claim 1.